INDEX TO VOLUME I

1919

Section A: Index to authors. *Section B:* Index to subjects

The March number includes pages 1–94; proceedings, iii–xxx

The June number includes pages 95–204; proceedings, xxxi–xlvi

The September number includes pages 205–414; proceedings, xlvii–lxxxvi

The December number includes pages 415–532; proceedings, lxxxvii–cxliv

Roman numerals **in parenthesis,** *in each part of this index, refer to the first page of the corresponding discussion in the section of proceedings of dental and stomatological societies*

A. INDEX TO AUTHORS

AINSWORTH, GEORGE C. President's annual address, Massachusetts Dental Society, xlix

ANDREWS, ROBERT R. Development of the teeth, and some of the contested points in regard to their development and structure, 353

ASCH, ANDREW J. Discussion of paper by B. B. Palmer, Jr., lxxxv

ASH, CHARLES F. Discussion of paper by W. D. Tracy, cxxxi

——. Letter on root-canal operations in the U. S. army, 347

BAKER, LAWRENCE W. Discussion of papers by H. L. Howe and F. B. Talbot, xcvi

BARRETT, LELAND. Letter on root-canal operations in the U. S. army, 341

BEST, ELMER S. Letter on root-canal operations in the U. S. army 344

BEST, ELMER S. Plan to compile and publish authentic information and authoritative opinion on problems concerning pulpless teeth and pulp devitalization, 523

BLACK, ARTHUR D. Letter on root-canal operations in the U. S. army, 330

BLUM, THEODOR. Roentgen-ray indications for tooth extraction (discussion of paper on this subject (391) by B. C. Darling, 489

BUCKLEY, J. P. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

——. Letter on root-canal operations in the U. S. army, 334

CARNEY, MATTHEW F. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

CHASE, O. J. Letter on root-canal operations in the U. S. army, 342
CHAYES, H. E. S. Discussion of paper by H. A. Cotton, lxviii
COTTON, HENRY A. Relation of oral infection to mental diseases, 269 (lxx)
CURRIE, A. W. Discussion of paper by H. A. Cotton, lxx

DARBY, EDWIN T. Discussion of paper by W. D. Tracy, cxxiv
DARLING, BYRON C. Roentgen-ray indications for tooth extraction; the medical roentgenologist offers an impartial survey for physician, dentist and patient, 391
DAVENPORT, C. B. Genetical factor in dental research, 9
DAVENPORT, S. E., JR. Editor, scientific proceedings, First District Dental Society of the State of New York, v, lxiii
DELABARRE, FRANK A. Discussion of papers by H. L. Howe and F. B. Talbot, xcvii
DOWNING, AUGUSTUS S. Standards for dental education and practice, xxxiii
DRAPER, J. W. Discussion of paper by H. A. Cotton, lxvii
DUNNING, WILLIAM B. Discussion of paper by B. B. Palmer, Jr., lxxxii
——. Editor, scientific proceedings, First District Dental Society of the State of New York, cvii
——. Letter on root-canal operations in the U. S. army, 343

ELLIOTT, ELMORE W. Final decision in the Carr case, 515

FIRST District Dental Society of the State of N. Y. Resolutions on root-canal operations in the U. S. army, 347
FORMAN, JONATHAN. Teaching of general pathology to students of dentistry; outline of a course and a presentation of its method (with Ernest Scott), 477
FRAHM, F. W. Appeal for active interest in research in prosthodontia, 387
FRANKE, ELIZABETH C. Experimental studies of the validity of advertised claims for products of public importance in relation to oral hygiene or dental therapeutics. 2. The advertised claim that Pepsodent, when used as a dentifrice, removes mucin plaques from teeth, by digesting such plaques, is wholly unwarranted (with Wm. J. Gies), 511
FREEDMAN, ANNA G. Discussion of paper by A. J. McDonagh, cxi

GIES, WILLIAM J. Bacteriology of initial dental caries (reply to J. L. Williams), 27
——. Diet and dentition: importance of nutritive studies of the growth of the teeth and jaws, 31
——. Endowment fund for the support of the Journal of Dental Research: first report, 33; second report, 203; third report, 413; fourth report, 527
——. Experimental studies of the validity of advertised claims for products of public importance in relation to oral hygiene or dental therapeutics: 1. Statement of purpose, 509
——. ——: 2. The advertised claim that Pepsodent, when used as a dentifrice, removes mucin plaques from teeth, by digesting such plaques, is wholly unwarranted (with Elizabeth C. Franke), 511
——. Journal of Dental Research, purpose and scope, 1
——. Pepsodent: ancient history that commercial dental journals continue to ignore, 507
——. Progressive dentistry and stomatology. 1. A plan to present to the readers of this JOURNAL effective and reliable reviews of advances in dental practice and in stomatological science, 526
——. Studies on elective localization: focal infection, with special reference to oral sepsis. Comment on bibliographic differences between the original form of

a paper on this subject, by Rosenow in this JOURNAL (205), and a reprint of it in the *Journal of the National Dental Association*, for the information and convenience of students of the literature of this subject, 519

GILLETT, H. W. Discussion of paper by B. B. Palmer, Jr., lxxxiii

——. Letter on root-canal operations in the U. S. army, 346

GREELEY, HORACE. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

HARPER, WILLIAM E. Amalgam and amalgam procedure, 441

HARTZELL, THOMAS B. Bacteriology of vital pulps (with A. T. Henrici), 419

——. Letter on root-canal operations in the U. S. army, 343

HEAD, JOSEPH. Bacteriology of apical abscesses (with C. Roos), 13

——. Bacteriology of apical abscesses; response to criticism by Kligler (with C. Roos), 21

HENRICI, ARTHUR T. Bacteriology of vital pulps (with T. B. Hartzell), 419

HOWE, HORACE L. Editor, scientific proceedings of the American Academy of Dental Science, xxxiii, lxxxvi, lxxxix

——. Importance of early treatment of malocclusion, 453

HUTCHINSON, R. G., Jr. Alveolo-dental infections, their causes and treatment, lv

HYATT, THADDEUS P. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

JOHNSON, C. N. Letter on root-canal operations in the U. S. army, 347

——. Shall pulpless teeth be retained? xcix

KAUFFER, H. J. Discussion of paper by E. C. Rosenow, lxxiv

KLIGLER, I. J. Bacteriology of apical abscesses. Discussion of paper on this subject (13) by Head and Roos, 19

KRUMWIEDE, CHARLES, JR. Discussion of paper by E. C. Rosenow, lxxii

LEAVITT, PHILIP A. Report on a study of skulls at Peabody Museum, Harvard University, from the point of view of an orthodontist, 463

LEDERER, WILLIAM J. Oral tumors of dental interest (with R. H. Riethmueller), 61

LIMERICK, O. VICTOR. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

LYONS, CHALMERS J. Pathologic conditions of the mouth and their treatment, v (xxvii, xxviii)

McDONAGH, ANDREW J. Periodontology, with special reference to recession of the gums, 423 (cxi)

MACHAT, B. B. Discussion of paper by H. A. Cotton, lxix

MERRITT, ARTHUR H. Discussion of paper by A. J. McDonagh, cvii

——. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

MINER, LEROY M. S. Discussion of paper by C. J. Lyons, xxi

MORRIS, ROBERT T. Discussion of paper by W. D. Tracy, cxxvii, cxxxiii

NAGAO, MASARU. Curve of Spee in mammals, with a discussion of its relation to the form of the fossa mandibularis, 159

National Dental Association. Resolutions on the death of N. S. Jenkins, 418

NOYES, EDMUND. Letter on root-canal operations in the U. S. army, 332

OTTOLENGUI, R. Discussion of paper by E. C. Rosenow, lxxiii, lxxvi
——. Letter on root-canal operations in the U. S. army, 345

PALMER, BISSELL B., JR. Problems of pulpless teeth under military conditions, 315 (lxxxv)
PARKHURST, CHARLES E. Editor, scientific proceedings, Massachusetts Dental Society, xlix, xcix
PRICE, WESTON A. Letter on root-canal operations in the U. S. army, 329

RHEIN, M. L. Discussion of paper by C. J. Lyons, xxvii
——. Discussion of paper by A. J. MCDONAGH, cx
——. Discussion of paper by B. B. Palmer, Jr., lxxxi
——. Discussion of pa er by W. D. Tracy cxxx, cxxxiii
——. Letter on root-canal operations in the U. S. army, 340
RIETHMUELLER, RICHARD H. Oral tumors of dental interest (with W. J. Lederer), 61
ROOS, C. Bacteriology of apical abscesses (with Joseph Head), 13
——. Bacteriology of apical abscesses; response to criticism by Kligler (with Joseph Head), 21
ROSENOW, E. C. Elective localization; focal infection with special reference to oral sepsis, 205 (lxxvi)

SCHAMBERG, M. I. Discussion of paper by C. J. Lyons, xxvi
——. Discussion of paper by W. D. Tracy, cxxxii
SCHEIMAN, PHILIP. Discussion of paper by H. A. Cotton, lxix
SCOTT, ERNEST. Teaching of general pathology to students of dentistry; outline of a course and a presentation of its method (with Jonathan Forman), 477
SCOTT, MINOT E. Discussion of paper by B. B. Palmer, Jr., lxxxiv
SHIELDS, N. T. Discussion of paper by C. J. Lyons, xxviii
SNIFFEN, D. AUSTIN. Discussion of paper by H. A. Cotton, lxvi
SPIER, LESLIE. Growth of Porto Rican boys, with special reference to the relation between their stature and dentition, 145
STARR, M. ALLEN. Discussion of paper by H. A. Cotton, lxiii
STILLMAN, PAUL R. Discussion of paper by A. J. McDonagh, cix
——. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497

TALBOT, FRITZ B. Relation of diet to the development of children, with special reference to teeth, lxxxix
TAYLOR, J. MADISON. Highfalutin dupery. Comment on the falsity of various published claims for certain dentifrices—Kolynos, Pebeco, Chlorox, Pepsodent (with seven collaborators), 497
THOMA, KURT H. Development of the submaxillary and sublingual salivary glands in human embryos, 95
——. Letter on root-canal operations in the U. S. army, 344
TRACY, W. D. Brief review of the dental situation (October, 1919), cxii (cxxxiii)
——. Discussion of paper by B. B. Palmer, Jr., lxxxiv
——. Letter on root-canal operations in the U. S. army, 346

VAUGHAN, HAROLD S. Discussion of paper by C. J. Lyons, xxiv
——. Letter on root-canal operations in the U. S. army, 341

WILLIAMS, J. LEON. Bacteriology of initial dental caries, the dental mucin plaque, and a proposal to encourage research along these lines, 23
WRIGHT, J. W. Study of some dental cements, 35
WYMAN, EUGENE B. Editor, scientific proceedings, Harvard Odontological Society, lv, cxliii

ZENTLER, ARTHUR. "A free dental clinic in every public school," cxxxiv

B. INDEX TO SUBJECTS

ABSCESSES, apical; bacteriology, 13, 19, 21. See infections.
Adams' silver nitrate and iodin treatment, for dental periclasia, 438 (cvii)
Address, president's annual; Massachusetts Dental Society (1919), xlix
Advertised claims, falsity of, for Kolynos, Pebeco, Chlorox, Pepsodent, 497
——, for products of public importance in oral hygiene or dental therapeutics; study of validity, 509, 511
——, unwarranted for Pepsodent, 505, 507, 511
Alveolo-dental infections, causes and treatment, lv
Amalgam: quality, fillings, procedure, 441
Ameloblasts (enamel-builders), embryonic development, 358
American Academy of Dental Science, scientific proceedings, xxxiii, lxxxvi, lxxxix
Annual address, president's; Massachusetts Dental Society (1919), xlix
Apical abscesses, bacteriology, 13, 19, 21. See infections
Apical infections, relation of crown and crown-and-bridge work, cxx (cxxiv)
Army, problem of pulpless teeth, 315 (lxxxi)

BACILLUS (cocco), new organism in apical abscesses, 13, 19, 21
Bacteriology, apical abscesses. 13, 19, 21
——, initial dental caries; proposed research, 23, 27
——, method for study of dental infections, 210 (lxxii)
——, vital pulps, 419
B. coli, in gastric focal infections, 294 (lxiii)
Bibliographic: differences between the original of a paper by Rosenow in this JOURNAL (205) and a reprint of it in the *Journal of the National Dental Association*, 519
Boys, Porto Rican: growth, relation between stature and dentition, 145
Breast feeding, importance for normal dentition, 453 (xcvi)
Bridge-work, relation to apical infections, cxx (cxxiv)

CALCIFICATION, in embryonic development of teeth, 368
Calcium, need for; in the diet, xci (xcvi)
Caries, initial dental: bacteriology; proposed research, 23, 27
——, prevention; importance, cvi, cxii (cxxiv)
Carr case, final decision, 515
Cements, dental; composition and properties, 35
Cementum, embryonic development, 367
Chart, diagnostic; dental roentgenograms, 391, 489
Children: relation of diet to development, including teeth, lxxxix (xcvi)
Chlorox, comment on falsity of advertised claims, 497
Claims, advertised: for products of public importance in oral hygiene or dental therapeutics; study of validity, 509, 511
——: falsity of, for Kolynos, Pebeco, Chlorox, Pepsodent, 497
——: unwarranted for Pepsodent, 505, 507, 509
Clinic, free dental; "in every public school" cxiii, cxxxiv (cxxiv)
Cocco-bacillus, new organism in apical abscesses, 13, 19, 21
Colon bacillus; in gastric focal infection, 294 (lxiii)
Connellan-King diplococcus, in focal infection of the tonsil, 280 (lxiii)
Cope-Osborn theory, dental trituberculy; general summary, 464
Cosmetic aspects, restorative dentistry cxxii (cxxiv)
Course, in pathology for dental students, 477
Court decree, Carr case, 515
Crown-and-bridge work, relation to apical infections, cxx (cxxiv)

Crowns, not causative of recession of the gums, 430 (cvii)
——, relation to apical infections, cxx (cxxiv)
Curve of Spee, in mammals; relation to the form of the fossa mandibularis, 159
Cutaneous diseases, relation of oral infection, lxxiv
Cysts, oral; of dental interest, 61, v (xxi)

DENTAL and stomatological societies: list of names, 532, iv, xxxii, xlviii, lxxxviii
——: scientific proceedings, i; first section, iii; second section, xxxi; third section, xlvii; fourth section, lxxxvii
——: ——, discussion, xxi, lxiii, lxxii lxxxi, xcvi, cvii, cxxiv
Dental caries, initial: bacteriology; proposed research, 23, 27
Dental cements, composition and properties, 35
Dental clinic, free; "in every public school," cxiii, cxxxiv (cxxiv)
Dental education, contrasted with medical, xxxiii, cxiv (cxxiv)
——, course in general pathology, 477
——, demand for postgraduate instruction, cxvi (cxxiv)
——, requirements and standards, xxxiii, cxiv (cxxiv)
Dental follicle, embryonic development, 356
Dental hygienists, need for, cxiv, cxxxiv (cxxiv)
——, new provisions for appointment in public school clinics (N. Y.), cxlii
Dental infections, alveolo; causes and treatment, lv. See infections
Dental mucin plaque: lack of knowledge of, and proposed research on, 23, 27
——: not removed by Pepsodent, 505, 507, 509
Dental practice, plan to publish reviews, 526
——, standards, xxxiii
Dental research, genetical factor, 9
Dental research, JOURNAL, endowment fund: first report, 33; second report, 203; third report, 413; fourth report, 527
——, ——, purpose, scope, 1
——, ——, will receive $500 from J. L. Williams in support of research on mucin plaques, 23, 27
——, ——, will receive the proceeds of the sale of E. S. Best's book on pulpless teeth and pulp devitalization, 523
Dental roentgenologist, compared with medical, 391, 489
Dental situation, survey (October 1919), cxii (cxxiv)
Dental student certificate: new scholastic requirements affecting its award in the State of New York after Jan. 1, 1921, xxxix
Dental therapeutics, studies of the validity of advertised claims for products of public importance in oral hygiene or dental therapeutics, 509, 511
Dentifrices, advertised claims for Pepsodent unwarranted, 505, 507, 511
——, falsity of advertised claims for Kolynos, Pebeco, Chlorox, Pepsodent, 497
Dentinal matrix-forming cells, embryonic development, 361
Dentine germ, embryonic development, 356
Dentistry, compared with medicine, xxxiii, cxiv (cxxiv)
——, preventive; importance, cxix, (cxxiv)
——, progressive; plan to publish reviews, 526
Dentition: and diet, importance of their study, 31
——: importance of breast feeding, 453 (xcvi)
——: related to stature in the growth of Porto Rican boys, 145
Development: labial, lingual and salivary glands in human embryos, 95
——: relation of diet to the development of children and their teeth, lxxxix (xcvi)
——: teeth, 353
Devitalization, pulp; research plan, 523
Diagnosis, essential conditions, vi (xxi)

Diagnostic chart, dental roentgenograms, 391, 489
Diet: and dentition, importance of their study, 31
——: importance of breast feeding for normal dentition, 453, lxxxix (xcvi)
——; relation to the development of children and their teeth, lxxxix (xcvi)
Diplococcus, Connellan-King; in focal infection of the tonsil, 280 (lxiii)
Discussion: papers by
Cotton, H. A., lxiii
Darling, B. C., 489
Howe, H. L., xcvi
Lyons, C. J., xxi
McDonagh, A. J., cvii
Palmer, B. B., Jr., lxxxi
Rosenow, E. C., lxxii
Talbot, F. B., xcvi
Tracy, W. D., cxxiv
——, scientific proceedings of dental and stomatological societies, xxi, lxiii, lxxii, lxxxi, xcvi, cvii, cxxiv
Diseases, mental and nervous; relation of oral infection, 269 (lxiii)
——, skin; relation of oral infection, lxxiv
Duodenum, infection of; an etiological factor in nervous and mental diseases, 293 (lxiii)
Dupery, in the exploitation of dentifrices (Kolynos, Pebeco, Chlorox, Pepsodent), 497, 507

EDUCATION, dental; contrasted with medical, xxxiii, cxiv (cxxiv)
——; course in general pathology, 477
——; demand for postgraduate instruction, cxvi (cxxiv)
——; requirements and standards, xxxiii, cxiv (cxxiv)
Elective localization; focal infection and oral sepsis, 205, 519 (lxxii)
Embryonic development: labial, lingual and salivary glands (human), 95
——: teeth, 353
Enamel builders (ameloblasts), embryonic development, 358
Enamel organ, embryonic development, 356
Enamel rods, embryonic development, 376
Endowment Fund of the Journal of Dental Research: first report, 33; second report, 203; third report, 413; fourth report, 527
——: will receive $500 from J. L. Williams in support of research on mucin plaques, 23, 27
——: will receive the proceeds of the sale of E. S. Best's book on pulpless teeth and pulp devitalization, 523
"Epithelial debris," criticism of Talbot's use of this term, 384
Eruption of teeth, relation to stature, 145
Esthetic aspects, restorative dentistry, cxxii (cxxiv)
Eugenics, genetic factor in dental research, 9
Extraction of teeth, roentgen-ray indications, 391, 489, ciii, cxx (cxxiv)

FETUS, secondary infection from maternal foci, 232 (lxxii)
Fibers, in enamel; embryonic development, 377
Fibril-forming cells (fibroblasts), in pulp, 364
Fibroblasts, in pulp, 364
First District Dental Society, N. Y., scientific proceedings: v, lxiii, cvii
——: discussion of papers, xxi, lxiii, cvii, cxxiv
First permanent molar, upper; relative position, 473
Focal infection, and oral sepsis, 205, 269, 315, 391, 519 (lxiii, lxxii, lxxxi)
Fossa mandibularis, form; relation of the curve of Spee in mammals, 159
Fund, endowment, Journal of Dental Research: first report, 33; second report, 203; third report, 413; fourth report, 527
——: will receive $500 from J. L. Williams in support of research on mucin plaques, 23, 27
——: will receive the proceeds of the sale of E. S. Best's book on pulpless teeth and pulp devitalization, 523

GASTRO-intestinal tract, infection of; an etiological factor in nervous and mental diseases, 293 (lxiii)
Genetical factor, dental research, 9
Glands, labial; embryonic development (human), 40
——, lingual; embryonic development (human), 140
——, parotid; embryonic development (human), 138
——, salivary; embryonic development (human), 95
——, sublingual; embryonic development (human), 95
——, submaxillary; embryonic development (human), 95
"Granular layer" (Purkinji, Tomes), existence denied, 381
Granuloma, new type, 272 (lxiii)
Growth: Porto Rico boys, relation between stature and dentition, 145
——: teeth and jaws, importance of nutritive studies of, 31
Gums, recession; nature and control, 423 (cvii)

HARVARD Odontological Society, scientific proceedings, lv, cxliii
Heredity, genetic factor in dental research, 9
Hydrochloric acid secretion, variation in gastric focal infection, 294 (lxiii)
Hygiene, oral; importance, cvi, cxix (cxxiv)
——; study of validity of advertised claims for products of public importance in oral hygiene or dental therapeutics, 509, 511
Hygienists, dental: need for, cxiv, cxxxiv (cxxiv)
——: new provisions for appointment in public-school clinics, cxlii

IMPACTED third molars, sites of infection, 273 (lxiii)
Infections: alveolo-dental; causes and treatment, lv
——: apical; relation of crown and crown-and-bridge work, cxx (cxxiv)
——: ——; treatment, xix (xxi)
Infections: bacteriologic method for the study of dental infections, 210 (lxxii)
——: fetal, from mother, 232 (lxxii)
——, focal; and oral sepsis, 205, 519 (lxxii)
——, oral; relation to mental and nervous diseases, 269 (lxiii)
Insanity, caused by focal infections, 269 (lxiii)
Intestine, infection of; an etiological factor in nervous and mental diseases, 293 (lxiii)

JAWS and teeth, importance of nutritive studies of the growth of, 31
Jenkins, Newell Sill; in memoriam, 417
——; portrait, 416
Journal of Dental Research: endowment fund, first report, 33; second report, 203; third report, 413; fourth report, 527
——: ——, will receive $500 from J. L. Williams in support of research on mucin plaques, 23, 27
——: ——, will receive the proceeds of the sale of E. S. Best's book on pulpless teeth and pulp devitalization, 523
——: plan to present reviews of advances in dental practice and in stomatological science, 526
——: purpose, scope, 1
Journal of the National Dental Association: bibliographic differences between the original of a paper by E. C. Rosenow (205) in the JOURNAL OF DENTAL RESEARCH and a reprint of it in the *Journal of the National Dental Association*, 519

KOLYNOS, comment on falsity of advertised claims, 497

LABIAL glands, development (human embryos), 140
Letters, on root-canal operations in the U. S. army, 329 (lxxxi)
Lingual glands, development (human embryos), 140
Localization, elective; focal infection and oral sepsis, 205, 519 (lxxii)

MALOCCLUSION, importance of early treatment, 453 (xcvi)
Mammals, curve of Spee, 159
Massachusetts Dental Society, scientific proceedings, xlix, xcix
Measurements, comparative; skulls, 159, 463
Medical roentgenologist, compared with dental, 391, 489
——, offers an impartial survey for physician, dentist and patient, 391, 489, ciii, cxx (cxxiv)
Medicine, compared with dentistry, xxxiii, cxiv (cxxiv)
Membranes, definition, 373
Mental diseases, relation of oral infection, 269 (lxiii)
Method; amalgam technic, 446
——; bacteriologic study of dental infections, 210, 269 (lxiii, lxxii)
——; course in general pathology for dental students, 478
——; early treatment of malocclusion, 453 (xcvi)
——; examination of the mouth (alveolodental infections), lx
——; study of gastro-intestinal infection, Rehfuss tube procedure, 294 (lxiii)
——; treatment of recession of the gums, 436 (cvii)
Military conditions; problem of pulpless teeth, 315 (lxxxi)
Molar: third, impacted or unerupted; site of infection, 273 (lxiii)
——: upper first permanent; relative position, 473
Mouth: some pathological conditions, and their treatment, 61, v (xxi)
Mucin plaque, dental; lack of knowledge of, and proposed research on, 23, 27
——; not removed by Pepsodent, 505, 507, 510, 511

NASMYTH'S "membrane," not a membrane, 374
Nerve fibers, within the dentinal matrix, 382
Nervous diseases, relation of oral infection, 269 (lxiii)
Nutritive studies, growth of the teeth and jaws; importance, 31

OCCLUSION, plane of inclination, 473
Odontoblasts, dentinal matrix-forming cells, 361
Oral hygiene, importance, cvi, cxiii, cxxiv (cxxiv)
——, study of the validity of advertised claims for products of public importance in oral hygiene or dental therapeutics, 509, 511
Oral infection, relation to mental and nervous diseases, 269 (lxiii)
Oral sepsis, and focal infection, 205 (lxxii)
Oral tumors, of dental interest, 61, v (xxi)
Orthodontic study, of skulls, 463
Osborn-Cope theory, dental tritubercuy; general summary, 464

PAIN, importance as a symptom, vi (xxi)
Parotid glands, development (human embryos), 138
Patent, void; Carr case, 515
Pathological conditions, mouth; treatment, 61, v (xxi)
Pathology, course for dental students, 477
Pebeco, comment on falsity of advertised claims, 497
Pepsodent, advertised claims unwarranted, 505, 507, 511
——, comment on falsity of advertised claims, 497
Periodontology, recession of the gums, 423 (cvii)
Permanent molar, upper first; relative position, 473
Plane of occlusion, inclination, 473
Plaques, mucin; lack of knowledge of, and proposed investigation, 23, 27
——; not removed from teeth by Pepsodent, 505, 507, 511
Porto Rican boys, growth; relation between stature and dentition, 145
Postgraduate instruction, dental; growing importance, cxvi (cxxiv)
Practice, dental; plan to publish reviews, 526
Pregnancy, secondary infection of fetus from maternal foci, 232 (lxxii)

President's annual address, Massachusetts Dental Society (1919), xlix
Prevention of caries, importance, cvi, cxix (cxxiv)
Preventive dentistry, importance, cvi, cxix (cxxiv)
Proceedings, scientific, dental and stomatological societies, i: first section, iii; second section, xxxi; third section, xlvii; fourth section, lxxxvii
——, discussion, xxi, lxiii, lxxii, lxxxi, xcvi, cvii, cxxiv
Profession, definition in dental terms, xxxv
Progressive dentistry and stomatology, plan to publish reviews, 526
Prosthetic dentistry, importance, 387, cxxii (cxxiv)
Prosthodontia, appeal for active interest in prosthodontic research, 387
——, importance, cxxii (cxxiv)
Public school, free dental clinics, cxiii, cxxxiv (cxxiv)
Pulp, dental: devitalization, research plan, 523
——: embryonic development, 367
——: lesions; treatment, 315, cxx (lxxxi, cxxiv)
——: vital; bacteriology, 419
Pulpless teeth: problem, under military conditions, 315 (lxxxi)
——: research plan, 523
——: shall they be retained? xcix
Purkinji "granular layer;" existence denied, 381

RADIOGRAPHER. See roentgenologist.
Recession, gums; nature and control, 423 (cvii)
——; method of treatment, 436 (cvii)
Rehfuss duodenal tube, for diagnosis of gastro-intestinal infection, 294 (lxiii)
Research, appeal for active interest in research in prosthodontia, 387
——, genetic factor in dental research, 9
——, JOURNAL OF DENTAL: endowment fund, first report, 33; second report, 203; third report, 413; fourth report, 527
Research, JOURNAL OF DENTAL: endowment fund, will receive $500 from J. L. Williams in support of research on mucin plaques, 23, 27
——, ——: ——, will receive the proceeds of the sale of E. S. Best's book on pulpless teeth and pulp devitalization, 523
——, ——: purpose, scope, 1
——, plan: on problems concerning pulpless teeth and pulp devitalization, 523
——, proposed: on bacteriology of initial dental caries and dental mucin plaque, 23, 27
Resolutions: First District Dental Society, N. Y., on root-canal operations in the U. S. army, 347 (lxxxi)
——: National Dental Association, death of N. S. Jenkins, 418
Restorative dentistry, cosmetic aspects, cxxii (cxxiv)
——, esthetic aspects, cxxii (cxxiv)
Review, dental situation (October, 1919), cxii (cxxiv)
——, progressive dentistry and stomatology, 526
Rickets, cause, xcii (cxvi)
Roentgenologist, *medical:* offers an impartial survey for physician, dentist and patient, 391, 489, ciii, cxx (cxxiv)
——, *dental;* compared with medical, 391, 489
——, not competent to advise treatment, 489, ciii, cxx (cxxiv)
——, unprofessional conduct of some, ciii
Roentgen-ray, indications for tooth extraction, 391, 489, ciii, cxx (cxxiv)
——, in oral surgery, vi, xx (xxi)
"Root-canal bulletin," U. S. army, 322 (lxxxi)
Root-canal operations, in the U. S. army, 315, 329 (lxxxi)
Rosenow's paper: bibliographic differences between the original in this JOURNAL (205) and a reprint of it in the *Journal of the National Dental Association*, 519

SALIVARY glands, embryonic development (human), 95
School, public; free dental clinics, cxiii, cxxxiv (cxxiv)
Scientific proceedings, dental and stomatological societies, i: first section, iii; second section, xxxi; third section, xlvii; fourth section, lxxxvii
——, discussion, xxi, lxiii, lxxii, lxxxi, xcvi, cvii, cxxiv
Sepsis, oral; and focal infection, 205, 519 (lxxii)
"Sheath of Neumann," does not exist, 374
Silicate cements, dental; composition and properties, 37
Skin diseases, relation of oral infections, lxxiv
Skulls, measurements, 159, 463
——, variations, 463
Societies, dental and stomatological: list of names, 532, iv, xxxii, xlviii, lxxxviii
——: scientific proceedings, i—first section, iii; second section, xxxi; third section, xlvii; fourth section, lxxxvii
——: ——, discussion, xxi, lxiii, lxxii, lxxxi, xcvi, cvii, cxxiv
Spee, curve; relation to the form of the fossa mandibularis in mammals, 159
Standards, for dental education and practice, xxxiii
Stature, related to dentition in the growth of Porto Rican boys, 145
Stomach, infection of; an etiological factor in nervous and mental diseases, 294 (lxiii)
Stomatological and dental societies: list of names, 532, iv, xxxii, xlviii, lxxxviii
——: scientific proceedings, i—first section, iii; second section, xxxi; third section, xlvii; fourth section, lxxxvii
——: ——, discussion, xxi, lxiii, lxxii, lxxxi, xcvi, cvii, cxxiv
Stomatology, progressive; plan to publish reviews, 526
Structure, teeth, 353
Sublingual glands, development in human embryos, 95
Submaxillary glands, development in human embryos, 95
Survey, dental situation (October 1919), cxii (cxxiv)

TEACHING, general pathology to dental students, 477
Teeth and jaws, importance of nutritive studies of their growth, 31
Teeth: development and structure, 353
——: eruption, related to stature, 145
——: extraction, roentgen-ray indications, 391, 489
——: mucin plaques, not removed by Pepsodent, 505, 507, 511
——: pulpless; problem under military conditions, 315 (lxxxi)
——: ——; research plan, 523
——: ——; shall they be retained? xcix
——: relation of diet to development, lxxxix (xcvi)
Therapeutics, dental; studies of the validity of advertised claims for products of public importance in oral hygiene or dental therapeutics, 509, 511
Third molar, impacted or unerupted; site of infection, 273 (lxiii)
Tomes, "granular layer;" existence denied, 381
Tonsil, infection of; an etiological factor in nervous and mental diseases, 293 (lxiii)
——, involved in focal infections, 205 (lxxii)
Toxemia, cause of nervous and mental diseases, 269 (lxiii)
Treatment, alveolo-dental infections, lv
——, apical abscesses, xix (xxi)
——, cysts, oral; of dental interest, 61, v (xxi)
——, early; of malocclusion, 453 (xcvi)
——, focal infections, 243, 269, 315 (lxiii, lxxii, lxxxi)
——, oral infections, with vaccines, 13, 19, 21
——, pathological conditions of the mouth, 61, v (xxi)
——, pulp lesions, 315, cxx (lxxxi, cxxiv)
——, recession of the gums, 436 (cvii)

Tri-tuberculy, dental; Cope-Osborn theory, general summary, 464
Tumors, oral; of dental interest, 61, v (xxi)

UNERUPTED third molars, sites of infection, 273 (lxiii)
Upper first permanent molar, relative position, 473
U. S. ARMY, septic dentistry, 315

VACCINE, obtained from bacteria in apical abscesses, 13, 19, 21
Vital pulps, bacteriology, 419

X-RAY, aid and menace to modern dental practice, ciii. See roentgen ray